

Notice of Allowability	Application No.	Applicant(s)	
	09/670,972	SHERLOCK ET AL.	
	Examiner	Art Unit	
	KIEU-OANH T BUI	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 10/19/2004.
2. ☒ The allowed claim(s) is/are 15-19 and 27-41.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>10/19/2004</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Remark

1. Claims 1-14 and 20-26 were canceled, and new claims 27-41 are added for further consideration. Pending claims are 15-19, and 27-41 for re-examination.

Drawings

2. The drawings filed on 09/27/2000 are acceptable subject to correction of the informalities, the formal drawing is required. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

Allowable Subject Matter

3. Claims 15-19, and 27-42 are allowed.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

The closest prior art issued to Wakai fails to teach or suggest an in-flight entertainment system provides entertainment for passengers on commercial airline flights. Presently, usually on longer flights, video entertainment is commonly available on in-flight passenger entertainment systems. In-flight entertainment system can display video on a variety of display monitors ranging from a conventional CRT display to a more modern Liquid Crystal Display (LCD). Generally most displays are connected to the aircraft electronic system via a ARINC 722 connector, and the ARINC 722 connector commonly provides an electrical interface between the aircraft and the video system, whether the video system is a CRT or LCD type monitor. With the increasing use of LCD monitors there is a greater need for the ability of the display monitor to be

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able to report its status. The need for status reporting is increased because the LCD monitors are often greater in number than the conventional CRT monitors and because malfunctions are less obvious. Several methods for providing status information from video displays have been provided comprising a system in which data can be requested by repeating commands, such as turn on, a number of times within a predetermined time interval as cited in claim 15, and a system for gathering data from a commercial airline display unit including an electronic means for requesting and receiving a first data signal and providing the data as superimposed data in a form of a serial or modulated data stream upon a static status signal, and further including receiver means for receiving and decoding of the superimposed data as cited in claims 31 and 39, and further in claim 36 for an ARINC connector and a power detection means, a delay circuit, an airline display unit, and wherein the additional status signals are provided as superimposed data as called for in claim 36.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

El-batal et al (US patent 6,625,144 B1), Mitchell (US patent 6,529,706 B1), and Camhi (US patent 5,825,283) disclose in-flight systems with different approaches in providing status signals.

6. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9306, (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park I.F., 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krista Kieu-Oanh Bui whose telephone number is (703) 305-0095. The examiner can normally be reached on Monday-Friday from 9:00 AM to 6:30 PM, with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant, can be reached on (703) 305-4755.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Krista Bui
Art Unit 2611
February 15, 2005



KRISTA BUI
PATENT EXAMINER